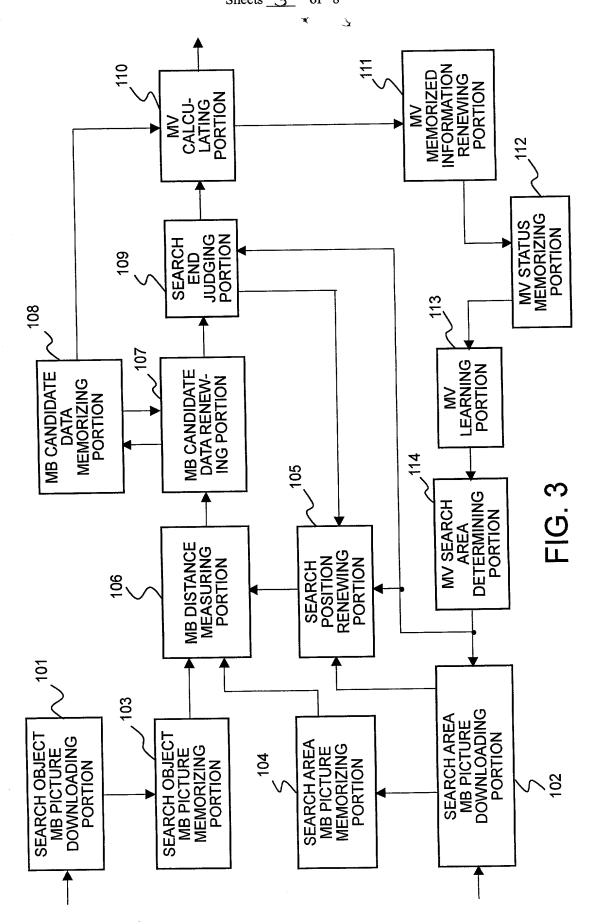


FIG. 2 RELATED ART

Mayumi NAGASAKI
"Device and Method for Searching for a Motion Vector"

Q63819----Filed March 28, 2001
Sheets 3 of 8



Mayumi NAGASAKI "Device and Method for Searching for a Motion Vector" Q63819----Filed March 28, 2001 Sheets 4 of 8 START OF MV SEARCHING OPERATION SEARCH OBJECT MB PICTURE IS DOWNLOADED INFORMATION OF MV MEMORIZING PORTION IS LEARNED TO CALCU-LATE MV TREND INFORMATION MV SEARCH AREA IS DETERMINED ALL MB PICTURES WITHIN SEARCH AREA ARE DOWNLOADED A5 SEARCH POSITION IS UPDATED DISTANCE BETWEEN SEARCH OBJECT MB PICTURE AND SEARCH POSITION MB PICTURE Α6 IS MEASURED MV CANDIDATE DATA IS UPDATED Α8 NO **SEARCH HAS** ENDED? YES Α9 MV IS CALCULATED A10 INFORMATION OF MV MEMORIZING PORTION IS UPDATED

FIG. 4

END OF MV SEARCHING OPERATION Mayumi NAGASAKI
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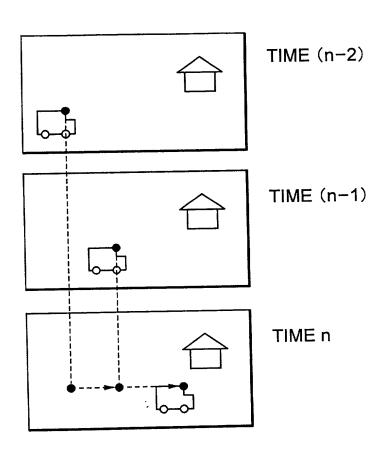


FIG.5

Mayumi NAGASAKI
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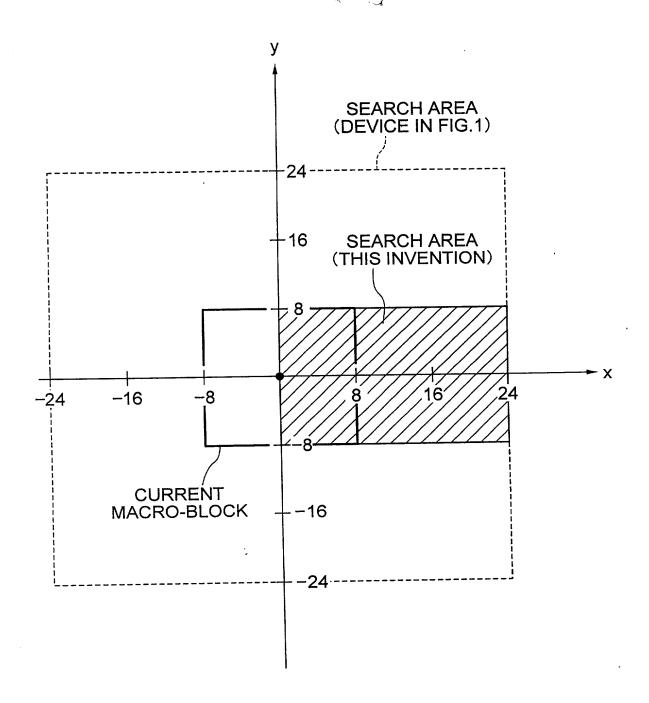
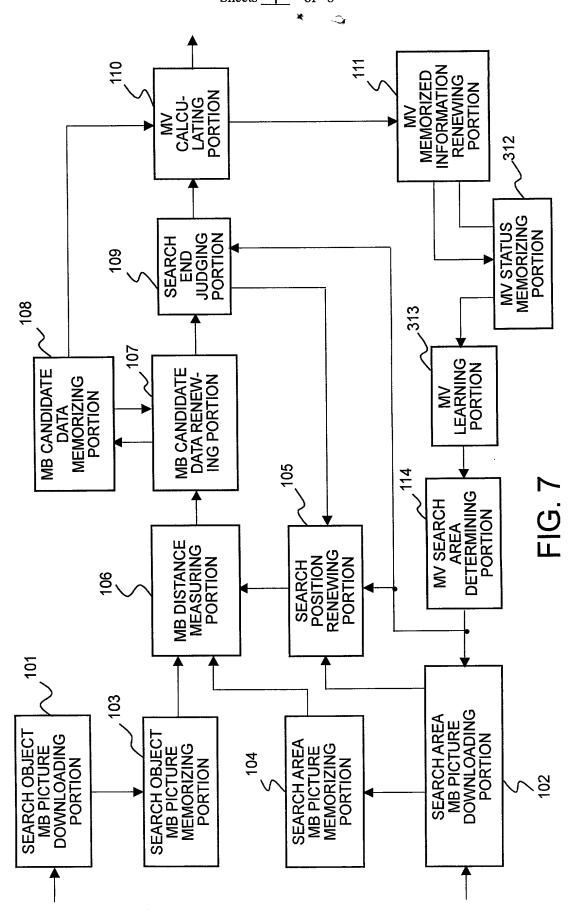


FIG.6

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Mayumi NAGASAKI "Device and Method for Searching for a Motion Vector" Q63819----Filed March 28, 2001 Sheets 8 of 8 START OF MV SEARCHING OPERATION SEARCH OBJECT MB PICTURE Α1 IS DOWNLOADED A11 INFORMATION OF MV STATUS MEMORIZING PORTION IS LEARNED TO CALCULATE MV TREND INFORMATION АЗ MV SEARCH AREA IS DETERMINED ALL MB PICTURES WITHIN SEARCH AREA ARE DOWNLOADED A5 SEARCH POSITION IS UPDATED DISTANCE BETWEEN SEARCH OBJECT MB PICTURE AND A6 SEARCH POSITION MB PICTURE IS MEASURED MV CANDIDATE DATA IS UPDATED Α8 NO **SEARCH HAS** ENDED? YES Α9 MV IS CALCULATED A10 INFORMATION OF MV MEMORIZING PORTION IS UPDATED

FIG. 8

END OF MV SEARCHING OPERATION